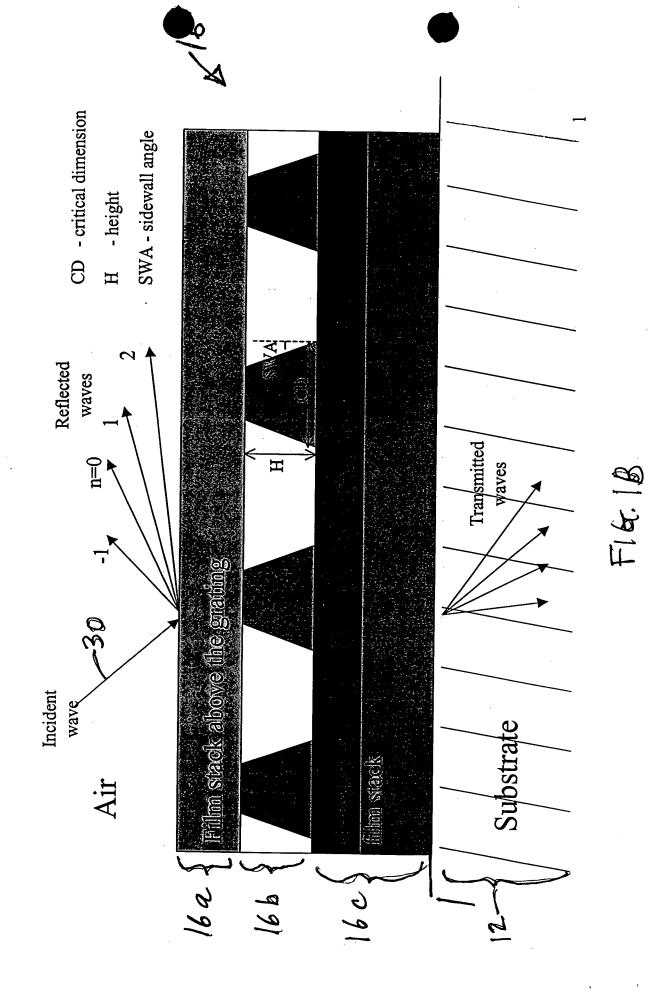
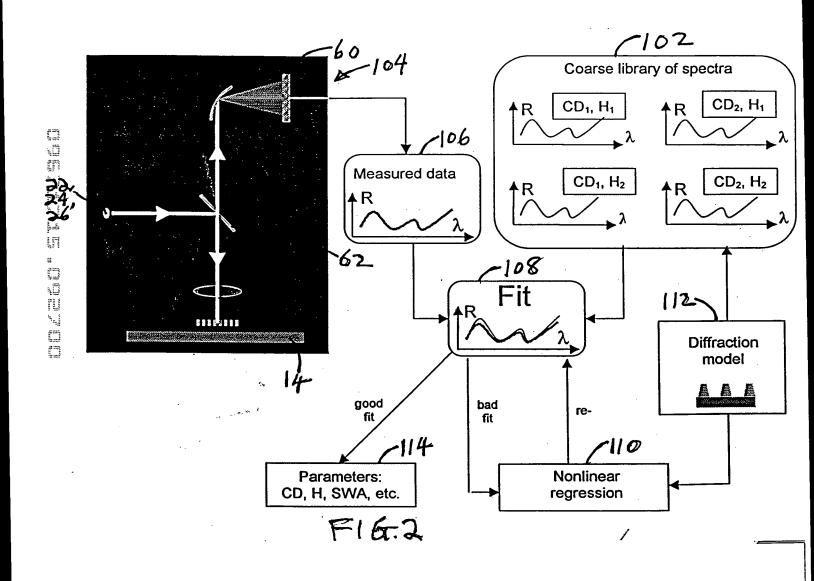


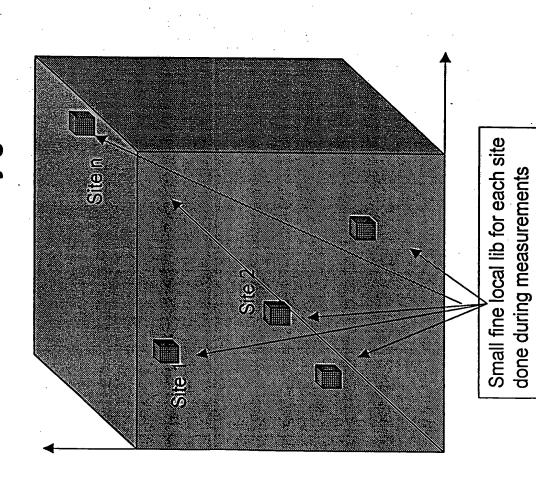
FIG._ 1A

Light diffraction on grating



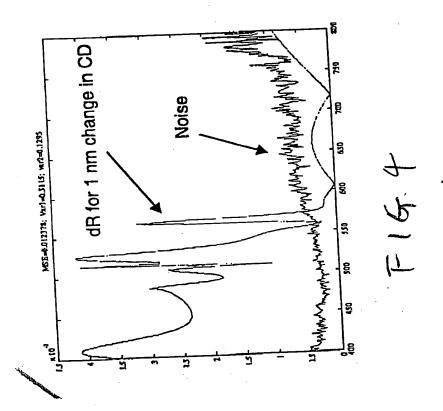


Minimize unused library grids for maximum efficiency Adaptive library generation:



Large coarse Lib to cover whole range Done before measurements

F143



Calculation of S-matrix for the top film stack

Calculation of the grating S-matrix

Find solution in each slab

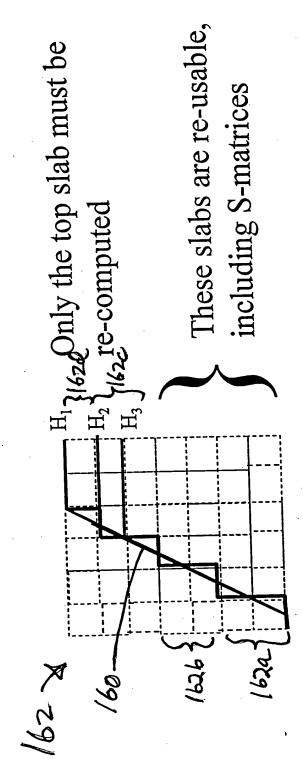
S-matrix propagation within the grating

-matrix propagation in the boftom film stack $-15\,$

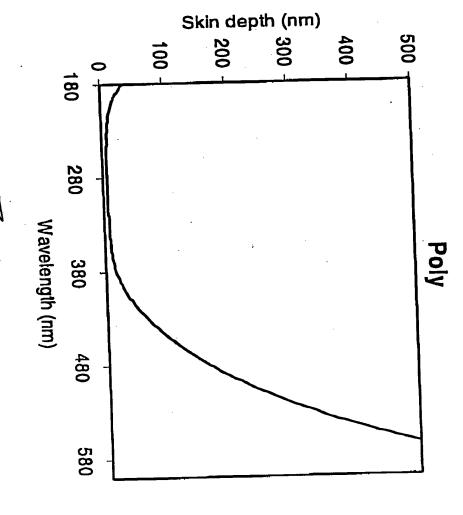
F14.5

2. Re-use of grating internal S-matrices

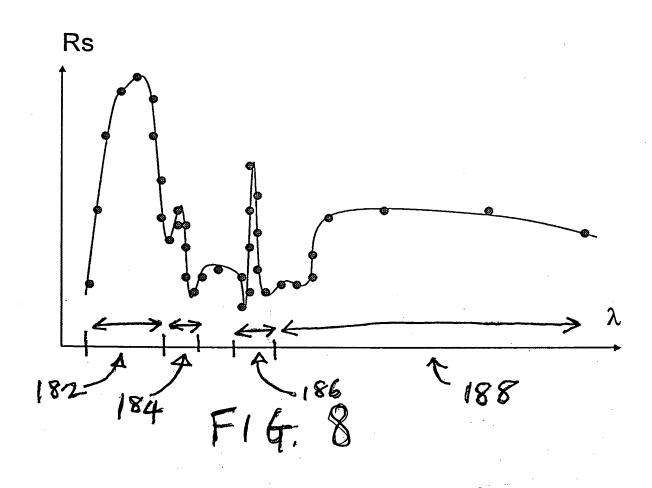
S-matrix is saved after processing most of the slabs



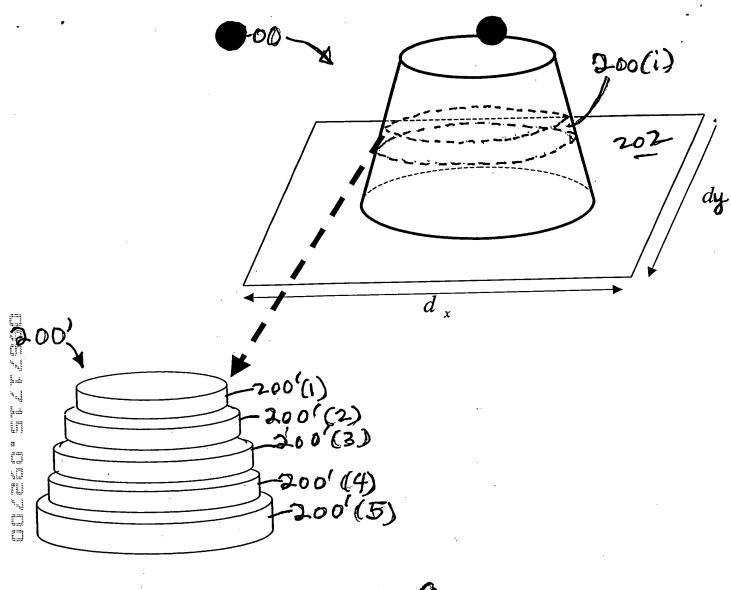
FI & 6



green green green warp off many off flows from from from many from from the flows of the flows of the flows to

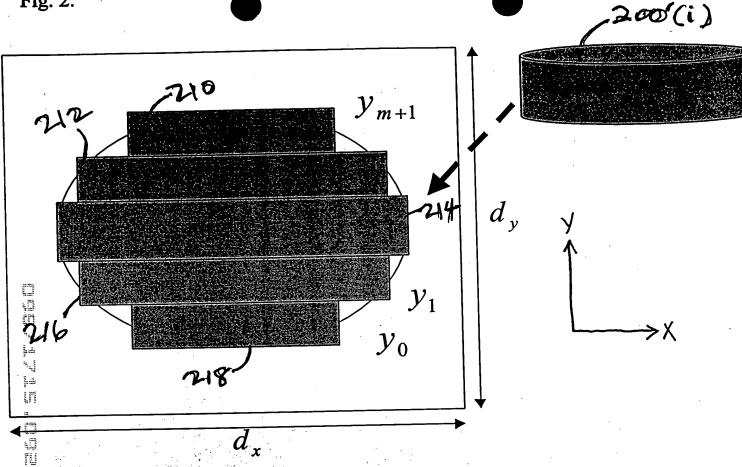


Wester.



F14.9

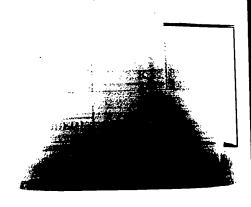
Fig. 2.

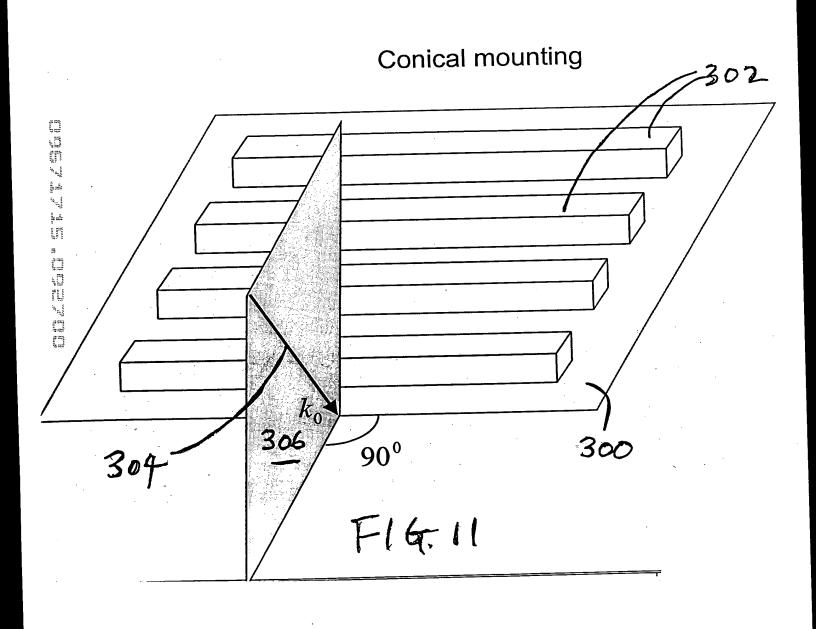


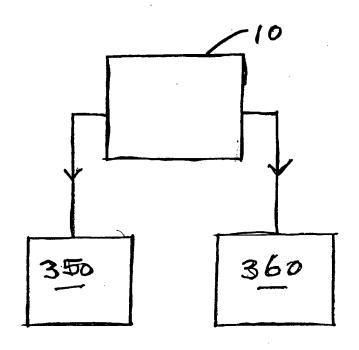
Pseudo-periodic boundary conditions in y-direction:

$$E(x, y_{m+1}) = E(x, y_0)e^{ik_0y^dy}$$

F16.10







F14.12

